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Jan 17

W. Elliot Woodward's

ONE HUNDRED AND SEVENTH SALE.

Archaeology,

OR

THE STONE AGE

IN

AMERICA AND EUROPE.

The Spang Collection.

PART II.

JANUARY 17, 1890.

CATALOGUE

OF

Specimens in Archaeology

INCLUDING

Amulets, Banner Stones, Discoidal Stones,
Pipes, Axes, Celts, Spear Heads,
Arrow Points, etc., etc.

BEING THE REMAINDER OF THE COLLECTION OF

Mr. NORMAN SPANG, Etna, Penn.

Mr. Spang has long been known as a leading Archaeologist, and amongst Collectors has stood second to no man for his accumulations of relics in Stone, Iron, Copper and Shell.

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FRIDAY, JANUARY 17, 1890.

GOODS ON EXHIBITION ON DAY OF SALE AT 10 A. M., AND THE SALE WILL BEGIN PROMPTLY AT 2 P. M.

Catalogue by W. Elliot Woodward.

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CORRESPONDENTS are requested to send early orders, thus giving me time to enter them in my books before I leave for New York. It is not an uncommon thing for me to have a greater number of orders than there are lots in the catalogue and many often arrive too late. Writing as I do, with difficulty, it is very desirable that those who wish to entrust their orders to me, should send them as early as possible, that they may receive proper attention. Address as below; but late orders may be sent to me at New York, care of the auctioneers.

The coin dealers of New York, Baltimore, Philadelphia, and Lancaster, Pa., will also receive and faithfully execute bids that may be placed with them. As many inquiries are sent me asking for catalogues to complete files, I have prepared a printed list of those that can be supplied, neatly priced in ink, to the 105th inclusive, which will be sold at prices named. This list will be sent on application.

After the sale priced copies of this catalogue printed on heavy tinted paper specially for Collectors will be mailed to order for 50 cents each.

W. ELLIOT WOODWARD,

38 Harlow Street, Dorchester, Mass.

CATALOGUE.

PRE-HISTORICS.

ARROW POINTS, SPEAR HEADS, KNIVES, ETC.

The following numbers, from 1 to 69, are mostly marked in ink and sealing wax, showing locality. All are mounted on cards, and many are very pretty and worthy of a place in any cabinet. Many, it will be noticed, are of extra quality and rarity.

1 Arrow Points, of small size, mostly from Arkansas, many of fine stone; artistic and beautiful. 12 pcs.

2 Arrow Points, a variety, some obsidian, jasper, etc., Oregon. 12 pcs.

3 Arrow Points, barbed and of various forms, some of red stone resembling jasper, Oregon. 8 pcs.

4 Oregon Points, mostly of obsidian: a few of lighter colored stone: fine. 15 pcs.

5 Arrow Points, from the mouth of Columbia River, varied from white to black, and from ¾ to 1 in. in length; a good selection. 11 pcs.

6 Arrow Points, from Mo. and Ky. and various localities; handsome and small. 20 pcs.

7 Arrow Points, mostly triangular, some are barbed; a fine selection, different localities. 16 pcs.

8 Oregon Bird and Jewelry Points of obsidian, chalcedony, etc.; a fine and rare lot. 20 pcs.

9 Arrow Points, selected, above the average size, from 1 to 2 in. long, various localities. 12 pcs.

10 Arrow Points, average in size like the last, of quartz. 5 pcs.

11 Arrow Points, in size like the last, barbed, serrated, etc. 16 pcs.

12 Arrow Points, of large size and extra fine, N. Carolina and Ga. 8 pcs.

13 Arrow Points, of chert and slate, extra large size. 6 pcs.

14 Arrow Points; an extra selection of fine colors and large size. 13 pcs.

15 Arrow Points, of various colors from white to black. 16 pcs.

16 Large Arrow Points, exceeding 2 inches in length, some handsomely chipped. 8 pcs.

17 Oregon Bird Points of various materials, jasper, obsidian, etc., triangular, and several barbed: a fine lot. 12 pcs.

18 Arrow Points, of black chert; fine. 4 pcs.

19 Arrow Points, similar to last, of chert and slate, Ohio. 5 pcs.

20 Triangular Spear Head, shield-form, colors black and white curiously intermingled; a fine and beautiful object, Hot Springs Co., Ark. 5 x 3.

21 Arrow Points and Spear Head, fine in form and of various colors, from Mo. A fine lot. 7 pcs.

22 Arrow Points, of beautiful form and material, Hot Springs and Hampstead Co., Ark. Extra choice. 7 pcs.

23 Arrow Points, serrated, of light and dark stone, some finely chipped. 8 pcs.

24 Spear Heads, shield-shape or triangular, a fine variety of colors, Beaver Co., Pa. 3 pcs.

25 Spear Heads, of extra quality and variety, hollow base, etc., Pulaski Co., S. Ill. 4 pcs.

26 Spear Heads, of chert and feldspar, from 3 to 4 in., Ohio and Ky. 4 pcs.

27 Oregon Bird Points, obsidian and various semi-precious stones. An extra fine lot. 9 pcs.

28 Oregon Bird Points, of similar forms and materials. 8 pcs.

29 Small Jewelry Points, mostly obsidian and jasper. 12 pcs.

30 Small Oregon Bird Points, usually rated as jewelry points and commonly sold as such. 16 pcs.

31 Oregon Points, of extra large and extra small size; fine and handsome. 7 pcs.

32 Spear Points, of various forms, slender, with hollow base, from Ill. and Mo. 4 pcs.
33 Arrow Points, principally of chert. A fair lot. 31 pcs.
34 Arrow Points, of small size, and several of light colors. 18 pcs.
35 Spear Heads, one curved and pointed, from various localities. 12 pcs.
36 Small and large Spear Heads, Tenn. 12 pcs.
37 Spear Heads, large and small, localities marked on each specimen. 14 pcs.
38 Arrow Points, rated as war and spear points. 12 pcs.
39 Thick triangular Spear Heads, of unusual forms. 10 pcs.
40 Spear Heads and Bunts, the latter much rarer than the former. 12 pcs.
41 Spear Heads, a fine lot, of various forms and materials. 9 pcs.
42 Spear Heads and Knife showing secondary flaking. 13 pcs.
43 Arrow Points and Spear Heads. 14 pcs.
44 Spear Heads, of various forms, rotary, etc. 9 pcs.
45 Spear Heads and Bunts, some of the latter fine. 12 pcs.
46 Bunts and bunt-shaped Spears; all fine and scarce. 16 pcs.
47 Arrow Points, mostly good. 16 pcs.
48 Bunts, of various forms. A good lot. 11 pcs.
49 Bunts and Spear Heads, some rare forms. 10 pcs.
50 Arrow Points and Spear Heads. 11 pcs.
51 Arrow Points and Spear Heads, some finely chipped. 10 pcs.
52 Spear Heads, rotary and other forms. A fine lot. 9 pcs.
53 Spear Heads, of fine forms and nicely chipped. 8 pcs.
54 Spear Heads, triangular, serrated, and finely chipped. 10 pcs.
55 Spear Heads and Arrow Points, of rude forms. 12 pcs.
56 Arrow Points, mostly of chert. A good selection. 45 pcs.
57 Arrow Points, one with double barbs, a very rare form. 8 pcs.
58 War Points. A good selection. 20 pcs.

59 Drills or Perforators, two very fine, remainder good. 8 pcs.
60 Arrow Points, extra fine and rare, of varied colored stone. 8 pcs.
61 Drills or Borers, many extra large. A fine selection. 8 pcs.
62 Spear Heads, of extra large size; fine. 2 pcs.
63 Spear Heads, of good form and workmanship. 4 pcs.
64 Spear Heads, of chert and feldspar, the latter particularly fine and nice, Salem, Mass. 4 pcs.
65 Large Spear Head, of jasper, Chester Co., Pa. 6 x 2 in.
66 Bunts, of chert and feldspar, and of various forms. A fine and rare lot. 14 pcs.
67 Drills or Perforators, of extra large size, several of choice materials. 9 pcs.
68 Another assortment of Drills, equally good, Miss. and other localities. 19 pcs.
69 Knives or chipped implements, two from Scandinavia and Huron Co., Ohio. A fine selection. 4 pcs.
70 Knives and rude Spear Points. 8 pcs.
71 Arrow Points, several very good. 28 pcs.
72 Arrow Points; good lot. 40 pcs.
73 Arrow Points, a similar collection. 16 pcs.
74 Spear Points, rude, but still quite good. 12 pcs.
75 Knives or chipped implements. A good selection. 12 pcs.
76 Arrow Points, a good lot, Mason Co., W. Va. 16 pcs.
77 Arrow Points, mostly fine and of small size. 52 pcs.
78 Another similar lot, equally good. 32 pcs.
79 Another lot, but larger. 16 pcs.
80 Another lot. 24 pcs.
81 Another lot, better than the last, some rare forms. 32 pcs.
83 Spear Heads, larger than the last; good. 12 pcs.
84 Similar lot. 12 pcs.
85 Another, equally good. 12 pcs.
86 Arrow Points. A fine selection. 28 pcs.
87 Another lot; very fine. 24 pcs.
88 Another lot, equally good. 24 pcs.
89 Bear's Tooth, of extra large size. 3½ x 1.

90 Fragments of Bracelets, Anklets, etc., and other objects of the Bronze Age, found in Brighton, Sussex Co., England. 16 pcs.

91 Knives, semi-elliptical, a good lot, Illinois. 4 pcs.

92 Spear Heads, hollow base, bunt-shaped, etc. 8 pcs.

PENDANTS AND GORGETS.

The following Prehistoric relics which are usually classed as Pendants, Gorgets and Banner Stones, are particularly fine and of exceptional beauty and rarity. A large portion of them are polished and of beautiful material, comprising hematite, jasper, and various slates, etc., etc.

Pendants mostly with two holes and of forms as distinguished and described.

93 Pendant, square oblong, two holes, of metamorphic slate, very handsome, Huron Co., Ohio. 4 x 2½.

94 Gorget, of veined and clouded slate, quadrangular, two partly finished perforations, Miami Co., Ohio. 4 x 2.

95 Gorget, same form and material as the last, Darke Co., Ohio. 3¼ x 1¾.

96 Pendant, sides contracted, of dark purple slate, two small perforations, Huron Co., Ohio. 5 x 2½.

97 Oval Gorget, two minute holes, Oneida C., N.Y. 3½x2.

98 Elliptical Gorget, metamorphic slate, appears to have been blocked out for an amulet with considerable care. 4½ x 2.

99 Gorgets, two imperfect, one used as a bullet mould, Tenn., N. C. and S. C., each 2 in. long. 3 pcs.

100 Gorget, of steatite, W. Pa. 3 x 1½. Another, canoe-shaped, with two small perforations. S.W. N. Carolina. 4 x 2. 2 pcs.

101 Gorget, long, and sides nearly parallel, greenish slate, Rhea Co., E. Tenn. 5 x 1¼.

102 Gorget, of soapstone, edges corrugated, Lincoln Co., Tenn. 2¼ x 1.

103 Gorget, elliptical-shaped, has no perforations, Green Co., Tenn. 5 x 2.

104 Gorget, of hematite or red slate, drilled but incomplete, near Lodi, Montgomery Co., Miss. 2¾.

105 Slate Pendant, polished, a rare form, Allen Co., Ohio. 5 x 2½.

106 Pendant or ornament of ribbon slate, fine, Logan Co., Ohio. 3¼ x 2.

107 Pendant, one large drilled perforation, handsome red color, Chariton Co., Mo. 4 x 2.

108 Pendant, one large drilled perforation near the middle, marks by disintegration of age, Seneca Co., O. 4½x2.

109 Pendant, red jasper, from Franklin Co., Mo. 4 x 1¾.

110 Pendant, red ribbon jasper, polished, one end expanded, Clay Co., Ky. 3 x 1½.

111 Pendant, narrowed at the middle, found near James Cove, Sevier Co., Tenn. 4 x 1¾.

112 Pendant, expands at one end, of ribbon slate; fine. 4x2.

113 Shuttle-shaped Pendant, two rather large-sized perforations, Beaver Valley, Pa, 6 x 2.

114 Perforated Stone, marked with an ancient carving resembling a bird, Cumberland Co., Ky. 2 x 1½.

115 Slate Gorget, unperforated, Meigs Co., Tenn. 4 x 1½. Another, with one perforation, 3½ x 1½. 2 pcs.

116 Pendant, both sides covered with tally marks, red slate or hematite, perforated. 3 x 1½.

117 Gorgets and Pendants, seven broken, from different localities. 9 pcs.

BANNER STONES AND TUBES.

118 Banner Stone, triangular in form, with large perforation, of metamorphic slate, Ontario, Canada; *rare*. 3¾ x 2½.

119 Banner Stone, of ribbon slate, shaped like a pair of horns, very large perforation, extra fine and well made, Holmes Co., Ohio. 4½ x 2½.

120 Banner Stone, metamorphic slate, handsomely made, with small unfinished perforation, Williams Co., Ohio. 5½ x 2½.

121 Banner Stone, of red jasper or slate, a very fine implement and of singular form, Shelby Co., Ohio. 4½ x 2.

122 Banner Stone, of ribbon slate, polished, De Kalb Co., Ind.; fine and *rare*. 4 x 1½.

123 Two-horn-shaped Banner Stone, one end truncated, dark shot-colored stone, Chattooga River, Rabun Co., Ga. 4 x 1½.

124 Banner Stone, shaped like a pair of horns, slate, Clay Co., N. C. 2½ x 1.

125 Slate Tube, finely made, Barton, Ala. 2¼ x 1.

126 Tube of red breccia, fine and rare material, Breekinridge Co., Ky. 2½ x 2½.

127 Tube, ribbed on both sides over a large perforation, Sevier Co.. E. Tenn. 3 x 2.

128 Polished Tube, of ribbon slate, handsomely marked surface, fine, Huron Co., Ohio. 3 x 1.

129 Fine Tube, with unusually large perforation, Polk Co., Tenn. 3 x 1½.

130 Tube of fine ribbon slate, polished, Hudson Co., Ohio. 2 x 1½.

131 Tube, apparently of mound pottery, the surfaee has a screw-form thread, Ky. 1¼ x ¾.

132 Tube, fine ribbon slate, large perforation, Ky. 2 x 2.

133 Tube, flattened, of colors variegated, a rare material, Polk Co., E. Tenn. 2½ x 2.

134 Tube, in shape a small tomahawk, of ribbon slate, Huron Co., Ohio. 2 x 1.

135 Another tomahawk Tube. very similar to the last, green slate, Clay Co., N. C. 1½ x 1.

PIPES.

136 Calumet or Pipe of Peace. duck-shape, of reddish stone, a small piece broken off the bowl, but fine and of *extreme rarity*, Macon Co., N. C. 9½ x 5.

137 Large Calumet or Peace Pipe, of steatite, ornamented with several incised lines, Rabun Co., Ga. 5 x 3.

138 Pipe, looks like the head of an animal, sandstone, rare and fine, found in an Indian grave near Old Town, Va. 4 x 3.

139 Large Pipe, mica slate. somewhat broken, Sevier Co., Tenn. 3½ x 3½.

140 Mound Builders' Pottery Pipe, marked with ancient lines, broken but mended, E. Tenn. 5½ x 4.

141 Mound Builders' Pottery Pipe, stem marked in light colors, a portion white, E. Tenn. 4½ x 1¾.

142 Pipe, of mound builders' pottery, bold, much elongated, *rare*, E. Tenn. 2¼ x 1.

143 Small Size Prehistoric Pipe, thought to be Mound Builders'; Clay Co., N. C. 1½ x 1.

144 Mound Builders' Pipe, of pottery, foot-shaped, Mandeville Co., Miss. 3 x 2.

145 Mound Builders' Pipe, of pottery, monitor shape, Allegheny Co., Pa. 2½ x 2.

146 Pipe of Calcite, Shelby Co., Ohio. 2½ x 1½.

147 Pipe, much smoked in the antiquity, the face covered with deep incised lines; a fine and curious old pipe, L'Anse, Mich. 2 x 1½.

148 Banner Stone-Shaped Pipe, from Frazier Mound, Knox Co., Tenn. 3 x 1½.

149 Mound Builders' Pottery Pipe, very ancient, stem slightly chipped, Polk Co., Tenn. 2½ x 1½.

150 Mound Builders' Pipe, of mica slate, ancient, Barton, Ala. 3 x 2.

151 Mound Builders' Pipe, on one side appears a figure in bas relief, stem broken, Cooper Co., Mo. 3 x 2.

152 Pipe of Granite, one of the most ancient in the collection, Georgia. 3 x 2.

153 Ancient Pipe, of mound builders' pottery, from a mound in La Porte Co., Ind. 2½ x 1.

154 Pipe, of Calcite, E. Tenn. 2 x 1.

155 Mound Builders' Pipe, of pottery, fine, Cooper Co., Mo. 4 x 2.

156 Small Pottery Pipe, ancient, found near Wayland, Clark Co., Miss. 2 x 1.

157 Mound Builders' Pipe, of pottery, broad flaring bowl, the bowl and stem has been fractured but mended, E. Tenn. 2 x 2.

158 Mound Builders' Pipe, made of sandstone, Vigo Co., Ind. 2½ x 2.

159 Animal's Head Pipe, mound builders, N. Ga. 2 x 1½.

160 Ancient Pipe-Stem or Tube, Tenn. 3 x 1.

161 Hour-Glass Pipe, of mound pottery, Macon Co., Ga. 3½ x 2.

162 Pottery Pipe, from Deer Island, near Biloxi, Miss. 1½ x 1.

163 Pipe-Stem or Tube, of slate, Rabun Co., Ga. 3½ x 1.

164 Pipe, of ribbon slate, beautifully marked, from a mound near Franklin River, Porter Co., Ind. 3¼ x ⅝.

165 Pipe, of stone, resembling cast-iron, fine, Cherokee Co., N. C. 4 x 1½.

166 Pipe, of slate, with figure of a bear seated on stem, Jackson Co., N. C. 3 x 1¾.

167 Small Pipe-Stem, of slate, Rabun Co., Ga. 2½ x ½. Another of same material. 2 x ½. 2 pcs.

168 Pipe, of catlinite, inlaid with lead, modern Cherokee, stem broken and mended, but still very fine and rare. 5 x 3.

169 Pipe, of modern Indian manufacture, undoubtedly the work of Cherokees, a fine specimen of Indian carving. 2½ x 1½.

170 Pipe, of red catlinite, polished, *rare*, Wisconsin. 2½ x 2.

171 Stone Pipe, shaped somewhat like a horse's hoof, N. Carolina. 1½ x 1½.

172 Ancient Pipe, ploughed up on a mound, stem broken, Cherokee Co., N. C. 1 x ¾.

173 Tube or Pipe-Stem, Clay Co., N. C. 3 x ½.

174 Pipe-Stem or Tube, Clay Co., N. C. 2 x ½.

175 Small Stone Pipe, very fine, Clay Co., N. C. 1½ x 1.

176 Another small ancient stone Pipe, same locality. 1½ x 1.

177 Several small Pipes, carried by the Indians when on the march, different localities, all marked. 6 pcs.

177*a* Mound Builders' Pottery Pipe, odd in form, bowl discolored by smoking, from a mound, Montgomery Co., Ark. 2 x 2.

177*b* Mound Builders' Pottery Pipes, broken, same locality as the last. 3 pcs.

177*c* Pipe, marble, with two perforations, found in a small grave, on a mound in Pigeon River, Tenn. 2½ x 1¼.

177*d* Calumet or Pipe of Peace, of pottery, made for four persons to smoke at one time, presumably at the council gathering, the outside marked with lines and curves, *rare*. 3 x 2.

OBJECTS IN HEMATITE.

On account of its density, and the exquisite polish of which it allows, hematite was always a favorite material with the prehistoric artificer. Among these articles a finer one than No. 181 is seldom ever obtained.

178 Grooved Axe, of brown hematite, near Potosi, Miss. 4 x 3.

179 Grooved Axe, of brown hematite, slightly curved, and fine, near Potosi, Miss. $3\frac{1}{2}$ x $2\frac{3}{4}$.

180 Grooved Axe, of hematite, butt broken off, Cooper Co., Mo. $2\frac{1}{2}$ x 2.

181 Celt, of polished brown hematite, one of the very finest I have ever seen, Quincy, Logan Co., Ohio. $3\frac{1}{4}$ x $1\frac{3}{4}$.

182 Celt, of polished hematite, Butler Co., Pa. $2\frac{1}{2}$ x $1\frac{1}{2}$.

183 Handsome Celt, of polished brown hematite. $2\frac{1}{2}$ x $1\frac{1}{2}$.

184 Celt, red hematite, partly polished, Mason Co., Va. 2 x 1.

185 Small polished Celt, of hematite, Mason Co., Va. 1 x 1.

186 Celt or rubbing stone, hematite, Clay Co., N. C. 1 x 1.

187 Fragments and other specimens of red hematite, all fine, from Miss. and N. C. 8 pcs.

188 Mammal, of slate, nearly the density of hematite, base partly perforated, Macon Co., N. C. $1\frac{1}{2}$ x 1.

189 Hematite balls, unpolished, Va., Pa. and Tenn. 3 pcs.

190 Semi-globular object, of hematite, partly wrought, N. Tenn. $1\frac{1}{2}$ x 1.

191 Paint-stone and marker, of hematite, Tenn. and N. C. 2 pcs.

192 Round Hematite Marker or Pencil, Rhea Co., Tenn. $3\frac{1}{2}$ x $\frac{1}{2}$.

193 Cone or Mammal of Ribbon slate, polished, fine, Mason Co., Va. 2 x 1.

194 Cone or Mammal of Ribbon slate, Clay Co., N. C. $1\frac{1}{2}$ x 1.

AMULETS AND CANOE-SHAPED OBJECTS.

Articles thus designated by archæologists, are among the most beautiful of prehistoric relics, being finely wrought and the material frequently of exquisite beauty. Nearly all of the finest of these objects are from Ohio.

195 Amulet of slate, long arching neck, very fine, Wyandotte Co., Ohio. $4\frac{1}{2}$ x 2.

196 Amulet of ribbon slate, uncommonly fine, Oneida Co., N. Y. 6 x 1.

197 Amulet of dark slate, neck elongated, very graceful, one of the finest I have ever seen, Hamilton Co., Ohio. $4\frac{1}{2}$ x 2.

198 Amulet of light slate, fine, Hillsdale Co., Mich. 4 x 2.

199 Amulet of ribbon slate, perforations broken, Richland Co., Ohio. $3\frac{1}{2}$ x 1.

200 Small amulet of ribbon slate, fine, but broken and repaired, Wyandotte Co., Ohio. $3\frac{1}{2}$ x 1.

201 Bar amulet of dark slate, the back curved, E. Ohio. 4x1.

202 Small bar amulet of dark stone, one perforation, Macon Co., N. C. 2 x $\frac{1}{2}$.

203 Boat-shaped object, double perforation through the body, of handsome ribbon slate, Fenton, Wood Co., Ohio. $3\frac{1}{4}$ x $1\frac{1}{2}$.

204 Canoe or boat-shaped object, of syenite, groove partly imperfect, Fairfield Co., S. C. $3\frac{1}{2}$ x 2.

205 Canoe-shaped object, depression semi-globular, of dark red slate or pottery, Cooper Co., Mo. $2\frac{1}{2}$ x $1\frac{1}{2}$.

206 Canoe-shaped object, of hematite, resembles the last in shape, very fine and handsomely made, Meade Co., Ky. $2\frac{3}{4}$ x $1\frac{1}{2}$.

207 Canoe-shaped object, with two perforations, Hightower River, Cherokee Co., Ga. $2\frac{3}{4}$ x $1\frac{1}{2}$.

208 Canoe-shaped object, of brown stone, fine, Clay Co., N. C. 2 x 1.

209 Canoe-shaped object, flat bottomed, tapers endwise from stem to stern, Dallas Co., Ark. 3 x $1\frac{1}{4}$.

210 Canoe-shaped object, two large perforations, slate, Huron Co., Ohio. 3 x 1.

211 Canoe-shaped object, sandstone, near Freedom, Beaver Co., Pa. $3\frac{1}{2}$ x 1.

212 Canoe-shaped object, resembles hematite, Montgomery Co., Miss. 3 x 1.

213 Canoe-shaped object, of sandstone, one partly finished perforation, Mercer Co., Ohio. $2\frac{1}{4}$ x $1\frac{1}{4}$.

214 Elliptical canoe-shaped stone, of sandstone, Lincoln Co., Tenn. $4\frac{1}{2}$ x 1.

DISCOIDALS.

215 Bi-concave Discoidal, or dark colored granite, fine and *rare*, Sevier Co., E. Tenn. $4\frac{1}{2}$ in. diameter.

216 Double-concave Discoidal, material like annato-colored cheese, depressions of medium depth, Chattanooga, Tenn. $3\frac{1}{2}$ in. dia.

217 Bi-concave Discoidal, dark color, nearly black, large depressions extending through the centre, Pepin Co., Wisconsin. $2\frac{1}{2}$ in. dia.

218 Bi-concave Discoidal, edges equidistant and parallel, a finely polished and handsome stone, Lincoln Co., Tenn. 2 in. dia.

219 Bi-concave Discoidal, of light granite, well formed and an unusual shape, Western, N. C. 4 x 3.

220 Bi-concave Discoidal, of dark granite, Beaver Valley, Pa. 4 in. dia.

221 Bi-concave Discoidal, cheese shape, fine and a very rare form, much less common than the thin ones, Lincoln Co., Tenn. 3 in. dia. 2 in. thick.

222 Bi-concave Discoidal, depression less marked than usual, but a fine stone, Allegheny Co., Pa. $3\frac{1}{2}$ in. dia.

223 Bi-concave Discoidal, of unusual variegated granite of black and light material, Beaver Co., Pa. $2\frac{1}{2}$ in. dia.

224 Bi-concave Discoidal, slight depressions, N. Ga. $3\frac{1}{2}$ in. dia.

225 Bi-concave Discoidal, slightly chipped, Massac Co., Ill. 2 in. dia.

226 Bi-concave Discoidal, with large central perforation, Rhea Co., Tenn. $1\frac{1}{2}$ in dia.

227 Perforated bi-concave Discoidal, Massac Co., Ill. $1\frac{1}{2}$ in. dia.

228 Bi-concave Discoidal, rudely made, one of diorite, Pulaski Co., Ill. $2\frac{3}{4}$ in. dia. 2 pcs.

229 Bi-concave Discoidal, of chalcedony, a rare material, very large, Cumberland Co., Ky., 6 in. dia.

230 Double-convex discoidal, of chalcedony, a rare material for so fine a stone, Lincoln Co., Tenn. 5 in. dia.

231 Double-convex Discoidal, of quartzite, W. N. C. $4\frac{1}{2}$ in. dia.

232 Discoidal stone, surface plano-convex, Macon Co., N. C. $4\frac{1}{2}$ in. dia.

233 Bi-convex Discoidal, of chalcedony, fine and nicely polished, Sevier Co., Tenn. $2\frac{1}{2}$ in. dia.

234 Bi-convex Discoidal, of chalcedony, veined and polished, fine and rare. E. Tenn. 2 in. dia.

235 Bi-convex Discoidal, quartzite, has a small piece shattered from one side, but very fine. Macon Co., N. C., $2\frac{1}{2}$ in. dia.

236 Bi-convex Discoidal, fine, from an island in the Tennessee River, Meigs Co., Tenn. 2¼ in. dia.

237 Concavo-convex Discoidal, of quartzite, Rhea Co., Tenn. 1½ in. dia.

238 Bi-convex Discoidal, of quartzite, fine, Rhea Co., Tenn., 1½ in. dia.

239 Bi-convex Discoidal, from near Shaftsburg, Allegheny Co., Pa. 3 in. dia.

240 Bi-concave Discoidal, of limestone, rude, Lodi, Miss. 2½ in. dia.

241 Discoidal, bung-shaped, of quartzite, Macon Co., N. C. 3 in. dia.

242 Discoidal, bung-shaped, of light greyish slate, Rabun Co., N. Ga. 3 in. dia.

GROOVED AXES.

243 Grooved Axe, of light granite, large and handsome, Hancock Co., Ky. 7 x 5½.

244 Grooved Axe, with one edge longitudinally grooved, fine, from a mound, La Porte Co., Ind. 7 x 4.

245 Grooved Axe, of light-colored coarse stone, N. C. 4 x 3.

246 Grooved Axe, of light diorite, edge narrow and elongated, Clinton Co., Ill. 6 x 5½.

247 Grooved Axe, of gray stone, polished nearly all over, Ohio Valley, Beaver Co., Pa. 7 x 4.

248 Grooved Axe, nearly circular, end broken, Cooper Co., Mo. 5 x 3½.

249 Grooved Axe, of light stone, Macon Co., N. C. 4 x 3.

250 Extra grooved Axe, of dark, nearly black granite, Cooper Co., Mo. 6½ x 4.

251 Large grooved Axe, partly polished, one of the finest in the sale, Missouri. 7½ x 3½.

252 Large grooved Axe, with broad shallow groove, mica slate, Mercer Co., N. C. 8 x 4.

253 Grooved Axe, polished all over, of gray diorite, extremely fine and rare, Huron Co., Ohio. 4½ x 3.

254 Grooved Axe, polished all over and equal in beauty to the last, Cooper Co., Mo. 5 x 4.

255 Grooved Axe, like the last two polished all over, fine, Cooper Co., Mo. 3½ x 2½.

256 Grooved Axe, broad and deep groove, blade broken short off near the groove, but fine, Cooper Co., Mo. 4 x 3½.

257 Short-grooved Axe, irregular in form, Licking Co., Va. 4 x 3.

258 Grooved Axe, groove broad and deep, Cooper Co., Mo. 4½ x 2½.

259 Grooved Axe, of dark coarse granite, a portion of the material seems to be black schorl. 4½ x 3.

260 Grooved Axe, of granite, head rounded, fine, Franklin Co., Mo. 6 x 3.

261 Grooved Axe, polished, fine, Breck Co., Ky. 3½ x 2.

262 Grooved Axe, partly polished, Montgomery Co., Ark. 5 x 2½.

263 Grooved Axe, with elongated point, rude, Montgomery Co., Ark. 4 x 3.

264 Grooved Axe, partly polished, Cooper Co., Mo. 5½ x 3.

265 Grooved Axe, head diagonally grooved, of dark granite, butt much elongated, a *rare* form, E. Tenn. 6 x 3.

266 Grooved Axe, Clay Co., N. C. 3½ x 3.

267 Grooved Axe, edge grooved, polished, a fine and *rare* axe, Franklin Co., Mo. 5½ x 4.

268 Grooved Axe, of a characteristic Missouri form, the groove extends round the head on both edges, polished, a very fine and *rare* object, McLean Co., Ill. 6½ x 4½.

269 Grooved Axe; this implement resembles a digging tool, and was doubtless used in agriculture: a finely formed implement, Rhea Co., Tenn. 10½ x 4½.

270 Grooved Axe, the groove has a ridge on both sides and ends, Union Co., Tenn. 5 x 3.

271 Grooved Axe, of slate, polished, a fine piece of workmanship, Mo. 4 x 2.

272 Small polished grooved Axe, Mo. 3 x 1½.

273 Grooved Axe, of dark red stone, butt slightly chipped, Mo. 5 x 2.

274 Grooved Axe, of reddish stone, surface disintegrated, partly polished, Breckenridge Co., Ky. 6 x 3½.

275 Grooved Axe, of green slate, Dorchester, Co., Md. 5½ x 3½.

276 Grooved Axe, sandstone, Hot Springs Co., Ark. 4½ x 2½.

277 Small coarse-grained grooved Axe, N. C. 3 x 3.

278 Grooved Axe, of slate, Breckenridge Co., Ky. 6 x 4.

279 Grooved Axe, rude, Breckenridge Co., Ky. 5 x $3\frac{1}{2}$.

280 Grooved Axe, hammer-shaped, Breckenridge Co., Ky. 5 x 3.

281 Grooved Axe, polished nearly all over, fine. Missouri River, Cooper Co., Mo. $4\frac{1}{2}$ x 3.

282 Grooved Axe, rounded, head flattened, Breckenridge Co., Ky. $4\frac{1}{2}$ x 3.

283 Grooved Axe, of light granite, fine form, Ill. 6 x 4.

284 Grooved Axe, resembles marble, a rare material, butt fractured, Franklin Co., Mo. $4\frac{1}{2}$ x $3\frac{1}{2}$.

285 Grooved Axe, slate, Rhea Co., Tenn. 5 x $3\frac{1}{2}$.

286 Grooved Axe, of dark polished diorite, Huron Co., Ohio. 5 x $2\frac{1}{2}$.

287 Grooved Axes, of slate, rude, Ky. Each $3\frac{1}{2}$ x 3. 2 pcs.

CELTS.

The following chisel-shaped objects, whether found in Europe or America, are generally denominated Celts. They are of various materials, but principally of slate and flint. Many are beautifully polished and rare.

288 Celt, of polished stone, Princeton, Mass. $4\frac{1}{2}$ x 2.

289 Celt, of feldspar, shaped like a shoe-horn, Florida. $4\frac{1}{2}$ x 2.

290 Thick Celt, of granite, Nahant, Mass. 4 x $1\frac{1}{2}$.

291 Ungrooved Axe, of ribbon slate, without exception the finest polished ungrooved axe I have ever seen; from a mound, Jefferson Co., E. Tenn. 9 x 3.

292 Celt, of dark slate, nearly all polished, same locality as 291. $4\frac{1}{2}$ x $2\frac{1}{2}$.

293 Celt, of polished ribbon slate, very fine and rare, Tenn. River Flats, Rhea Co., Tenn. 11 x 3.

294 Celt, of slate, partly polished, extra fine and rare, the largest and finest I have ever seen, Rhea Co., East Tenn. 14 x $2\frac{1}{2}$.

295 Large Celt, polished all over, labeled "from Paris." 11 x $2\frac{1}{2}$.

296 Celt, called a cutting celt, elegantly polished, Beaver Valley, Beaver Co., Pa. 9 x $2\frac{3}{4}$.

297 Fine Celt, of dark slate, partly polished, Breckenridge Co., Ky. 10 x 4.

298 Celt, of dark stone, resembles diorite, polished, Kingsbury, La Porte Co., Ind. 9 x 3.

299 Large handsome Celt, polished, Rhea Co., Tenn. $8\frac{1}{2}$ x $3\frac{1}{2}$.

300 Celt, of dark grained granite, nicely polished, Knox Co., Ohio. 6 x $2\frac{3}{4}$.

301 Celt, material like the last and as finely polished, square head, Franklin Co., Mo. 6 x 3.

302 Double-bladed Celt, one point enlarged, polished, handsome and has fine cutting edge, Barton, Colbert Co., Ala. 6 x $2\frac{3}{4}$.

303 Celt, of light colored polished granite, very fine, Knox Co., Tenn. 6 x $2\frac{1}{2}$.

304 Celt, of gray slate, edge a trifle chipped, Breckenridge Co., Ky. $7\frac{1}{2}$ x $2\frac{1}{2}$.

305 Celt, of dark granite, polished, edges square, Cooper Co., Mo. 5 x $2\frac{1}{2}$.

306 Celt, of dark slate, edge broadly expanded, from same locality. $6\frac{1}{2}$ x $4\frac{1}{2}$.

307 Celt, finely finished, Lincoln Co., Tenn. 5 x 2.

308 Broad flat Celt, resembles light granite, Fairfield Co., S. C. $7\frac{1}{2}$ x 4.

309 Celt, stone similar to the last, smooth, wrought nearly to a polish, S. Ill. 8 x $3\frac{1}{2}$.

310 Celt, of granite, expands towards the cutting point, Franklin Co., Mo. $7\frac{1}{2}$ x 3.

311 Celt, of dark granite, polished, extra fine, Hancock Co., Ky. 6 x $2\frac{1}{2}$.

312 Celt, of dark stone resembling slate, polished, fine and rare, labeled Lyon. 6 x $2\frac{1}{2}$.

313 Celt, of light colored slate, partly polished, Mason Co., W. Va. 5 x 3.

314 Celt, of light gray granite, fine, Ill. 5 x $2\frac{1}{2}$.

315 Celt, of light sandstone, polished, Cooper Co., Mo. 6 x $2\frac{3}{4}$.

316 Celt, of light colored stone, like granite, Franklin Co., Mo. 4 x 2.

317 Celt, looks like diorite, polished, Hog Island. $4\frac{1}{2}$ x 2.

318 Celt, nearly resembles diorite in its polish, Breckenridge Co., Ky. 5 x 2.

319 Celt, of slate, Indiana Co., Pa. 4 x 2.

320 Oval Celt, well wrought, one side partly polished, Macon Co., N. C. 5½ x 3.

321 Small oval Celt, stone having a white vein, Vigo Co., Ind. 3½ x 2.

322 Celt, nearly quadrangular, granite, Calhoun Co., Ill. 4½ x 3.

323 Celt, of similar material, Indiana. 4½ x 2½.

324 Celt, sides nearly parallel, light granite or slate, Rabun Co., Ga. 6½ x 2.

325 Celt, of slate, partly polished, Breckenridge Co., Ky. 4½ x 2.

326 Celt, end enlarged, nicely polished, Carroll Co., Mo. 5 x 2½.

327 Celt, Hot Spring Co., Ark. 6½ x 2.

328 Celt, of black and white stone, commingled, Pike Co., Ill. 5 x 2½.

329 Celt, of black slate, Jefferson Co., N. Y. 4½ x 2.

330 Celt, of blue slate, polished, Macon Co., N. C. 4 x 2.

331 Celt, of slate, polished, Meade Co., Ky. 4 x 2.

332 Small Celt, of granite, one side polished. 4 x 1½.

333 Celt, slate, Beaver Co., Pa. 5 x 2.

334 Celt, of diorite, Lincoln Co., Tenn. 4 x 2.

335 Celt, of sandstone, Clay Co., N. C. 5 x 2½.

336 Celt, of slate, Washington Co., Pa. 3½ x 2.

337 Rude Celt, of slate, Beaver Co., Pa. 4 x 1½.

338 Celt, of coarse stone, Massac Co., Ill. 4 x 2.

339 Celt, of slate, polished, Beaver Co., Pa. 3½ x 1½.

340 Celt, of slate, polished, Mason Co., W. Va. 3½ x 2.

341 Celt, of green slate, Pulaski Co., Ill. 3½ x 2.

342 Celt, of dark green stone, very fine, Howell, Mo. 3½ x 2.

343 Celt, of greenish veined slate, Mason Co., W. Va. 4 x 2.

344 Small Celt, Vigo Co., Ind. 3 x 1½.

345 Small Celt, Beaver Co., Pa. 2½ x 1½.

346 Celt, of slate, rude, Newyago Co., Mich. 4 x 2½.

347 Celt, of clouded granite, Ohio Valley, Pa. 3½ x 1½.

348 Celt, intended to be used with a handle, Beaver Co., Pa. 4 x 2.

349 Celt, of slate, Meade Co., Ky. 4 x 2.

350 Celt, of chert, a material seldom used for the purpose, S. Ill. $4\frac{1}{2}$ x 2.

351 Celt, of variegated stone, Rabun Co., N. Ga. 4 x $2\frac{1}{2}$.

352 Small Celt, mostly polished, Mason Co., Va. $2\frac{1}{2}$ x $1\frac{1}{2}$.

353 Small black Celt, Western Pa. $2\frac{1}{2}$ x 2.

354 Small black Celt, Vigo Co., Ind. 3 x 2.

355 Small Celt, of chert or novaculite, Clay Co., Ky. $2\frac{1}{2}$ x 2.

356 Small Celt, Knox Co., E. Tenn. $2\frac{1}{2}$ x $1\frac{1}{2}$.

357 Small Celt, partly polished, Beaver Co., Pa. $2\frac{1}{2}$ x $1\frac{1}{2}$.

358 Celt, of rough material, probably granite, Mo. 6 x 4.

359 Celt, of slate, Meade Co., Ky. $3\frac{1}{2}$ x 2.

360 Celt, of purple slate, polished, Rhea Co., Tenn. $3\frac{1}{2}$ x $1\frac{1}{2}$.

361 Fleshing Celt, green slate, polished, Beaver Co., Pa. $3\frac{1}{2}$ x $1\frac{1}{2}$.

362 Large Celt, broken, surface polished, Beaver Co., Pa. 4 x $2\frac{1}{2}$.

363 Celt; the buyer accused the finder of grinding it, which he denied; Cooper Co., Mo. 3 x 2.

364 Celt, partly polished, of slate, Macon Co., N. C. $4\frac{3}{4}$ x 3.

365 Fine Celt, of granite, polished nearly all over, Mason Co., W. Va. 4 x 2.

366 Small Celt, of diorite, very fine so small, Madison, Ind. 3 x $1\frac{1}{4}$.

367 Small Celt, fine, S. Ill. 3 x $1\frac{1}{2}$.

368 Celt, of very hard silicious stone, which readily scratches glass, Lodi, Miss. 3 x 2.

369 Small Celt, of diorite, from a mound, Cooper Co., Mo. $3\frac{1}{2}$ x 2.

370 Small Celt, of light diorite. 3 x $1\frac{1}{2}$.

371 Celt, wedge-shaped, fine. $3\frac{1}{2}$ x 2.

372 Celt, of slate, partly polished. 4 x 2.

373 Celt, very graceful. 4 x 2.

374 Celt, of slate, finely formed. 5 x $2\frac{1}{4}$.

375 Celt, gouge shape. 4 x 2.

SCANDINAVIAN OBJECTS.

Axes, Celts, Spear-Heads, Etc.

The following numbers, from No. 376 to No. 113, are all from Scandinavia:

376 Axe, called by European archæologists "Axe with a Handle," perforation large, disintegrated by age. 8 x 3.

377 Another Scandinavian Axe, smaller, but equally good. 4 x $2\frac{1}{2}$.

378 Flint Celt from Scandinavia; this beautiful axe or celt is made by the process usually called carving, and is a splendid example of that work. $11\frac{1}{2}$ x 3.

379 Ungrooved Axe from Scandinavia, flint, polished on both its flats and edges, very fine and rare. 6 x 3.

380 Celt, flats and edges all polished, flint, Scandinavia. $5\frac{1}{2}$ x $2\frac{3}{4}$.

381 Flint Celt, flats and edges all polished, bought in Paris, Scandinavia. $6\frac{1}{2}$ x $2\frac{1}{2}$.

382 Flint Celt, finished all over by the process of chipping, called carving, Scandinavia. 5 x $2\frac{1}{2}$.

383 Hollow Celt or gouge, an article appropriately named by European archæologists as a hollow axe, polished inside and out, and finely finished, Scandinavia. $6\frac{1}{2}$ x 2.

384 Large flint Celt, partly polished and partly chipped, a fine implement. 9 x 3.

385 Flint Celt, with cutting edge, partly polished, fine. 7 x 3.

386 Thin flint Celt, polished all over, very fine and rare. $5\frac{1}{2}$ x $2\frac{1}{2}$.

387 Flint Celt, finished all over by the process of chipping, called carving. 7 x 3.

388 Flint Celt, flats polished, edges chipped, fine. $5\frac{1}{2}$ x 2.

389 Celt, of dark colored flint, nearly black. 5 x 2.

390 Celt, of brownish flint, polished, butt broken off. 4 x $2\frac{1}{2}$.

391 Celt, of white flint, finely polished, and like the last has the butt broken off, fine, $3\frac{1}{2}$ x 3.

392 Flint Celt, polished, and with cutting edge, a nice object. $4\frac{1}{2}$ x 2.

393 Small flint Celt, sides polished, fine. 4 x 1½.
394 Another small flint Celt, equal to last. 4½ x 2.
395 Small thin flint Celt, sides polished, fine. 4½ x 1¾.
396 Another small flint Celt, polished. 3 x 1¾.
397 Long narrow Spear-head, of flint, one of the finest implements of this kind ever offered for sale. 7½ x 1¾.
398 Broad Spear-head, of flint, finely chipped. 7¾ x 1¾.
399 Long narrow Spear-head, of flint, nicely chipped and symetrical. 6½ x 1.
400 Another Spear-head, of white flint, equal to the last. 6½ x 1½.
401 Another Spear-head, of the same material, paddle-shaped, very fine. 5¼ x 1¾.
402 Long narrow Spear-head, of flint, fine. 6¼ x 1¼.
403 Another of same material, equally fine. 5¾ x 1¾.
404 Thick narrow flint Spear-head, fine. 6 x 1¼.
405 Flint Spear-head, a nice implement. 5½ x 1½.
406 Another of light colored flint. 5 x 1½.
407 Another of dark flint, base barbed, an unusual form for this locality. 5 x 1½.
408 Flint Spear-head, paddle shape, fine. 4¼ x 1¼.
409 Thick narrow Spear-head, of flint. 4½ x 1.
410 Small flint Spear-head, fine. 3¼ x 1.
411 Flint Chisel, finely chipped, a *rare* implement. 4 x 1.
412 Flint Core and Spear head, the latter has the point broken off. Each 5 x 1½. 2 pcs.

PESTLES AND GOUGES.

413 Long cylindrical Pestle, veined or clouded with white, Long Island, Holstein River, E. Tenn. 18½ x 2½.
414 Cylindrical Pestle, of slate, one end nearly celt-shaped, Rhea Co., Tenn. 15½ x 2.
415 Long cylindrical Pestle, of granite, roughly finished, though of good form. 16½ x 2½.
416 Cylindrical Pestle, of slate, nearly square, Oneida Co., N. Y. 14½ x 2½.
417 Long cylindrical Pestle, of slate, sides square, Salem, Mass. 13 x 2.

418 Long Pestle, of purple slate, approaching the square form. 10½ x 2.

419 Cylindrical Pestle, approaches conical, Hot Spring Co., Ark. 5½ x 3.

420 Cylindrical Pestle, end enlarged, Rhea Co., Tenn. 6½ x 3.

421 Hollow Gouge, with groove, nicely finished and a *rare* form, Wisconsin. 5¼ x 2.

422 Hollow Gouge, with deep short depression, a very fine and rare implement, Rowley, Mass. 6½ x 1.

423 Hollow Gouge, flattened and broad. 6 x 2.

424 Hollow Gouge, of purple slate, Oneida Co., N. Y. 4½ x 1½.

GREAT SPADES.

The edges of most of these spades are polished by long continued use, probably in mound building. They are of different material, comprising feldspar, chert, etc.

425 Great Spade, edge finely polished, one of the largest I have ever seen, Marion Co., Ill. 14 x 5.

426 Great Spade, the edge seems to be of different material from the other portion, and appears to be of red jasper, polished on the sides and edges, partly including the red portion. Pulaski Co., Ill. 10½ x 4.

427 Great Spade, end polished on both sides, Pulaski Co., Ill. 12 x 4½.

428 Great Spade, polished over a large portion of it, without doubt used in mound building, Wayne Co., Ill.

429 Nearly triangular Spade, chert, Massac Co., Ill. 8½ x 6.

430 Great Spade, end polished by long use, Pulaski Co., Ill. 10½ x 3½.

431 Great Spade, partly polished with special elegance, Clinton Co., Ill. 9 x 4.

432 Great Spade, end polished, Pulaski Co., Ill. 9 x 4.

433 Great Spade, nearly oval, Cloverport, Ky. 9 x 6.

434 Great Spade, surface patinated with different colors, Olmstead, Ill. 13 x 4½.

435 Great Spade, surface polished toward the end, from a mound in the same locality. 9½ x 4.

436 Great Spade, of chert, polished near the end, same locality. 10½ x 3½.

437 Another large Spade, of uncommon thickness, from the same locality. 8½ x 4.

438 Large Spade or Celt, of dark chert, end polished, Pulaski Co., Ill. 7 x 3.

439 Large Spade, of chert, same locality. 8½ x 3.

440 Large Spade, surface patinated, Pulaski Co., Ill. 7 x 3.

441 Spade, of dark chert, Cumberland Co., Ky. 6 x 3.

442 Large Hoe, in form nearly rectangular, Cooper Co., Mo. 6½ x 2½.

443 Spade, form approaching oval, Pulaski Co., Ill. 6 x 3.

444 Large white colored Spade, unpolished, Barton, Ala., 9 x 2½.

445 Gouge Celt, of chert, Barton, Ala. 4½ x 2½.

446 Small Spade, Independence, Mo. 4 x 2.

447 Small Spade, of chert, Missouri. 5½ x 2.

448 Small Spade, partly polished from use, Houston Co., Tenn. 5 x 1¾.

448*a* Spade of feldspar, a very fine object, received from Mr. Noe of Indianapolis, surface find, Floyd Co., Ind. 6 x 2½.

UNFINISHED WORK.

Among the objects classed as "unfinished," a large number may be found, running from Amulets, Spear-heads, etc. Many of them are very interesting and worthy of note, comprising Banner Stones, Amulets, Pipes, and many other forms, some among the most interesting of these objects.

449 Pipe, blocked out, not perforated, fine, Beaver Co., Pa. 4 x 2.

450 Partly perforated Tube, Defiance Co., Ohio. 4 x 2.

451 Tube, partly perforated, Fulton Co., Ohio. 4 x 1½.

452 Tube for a pipe, partly bored, Fulton Co., Ohio. 3½ x 1½.

453 Nearly square, partly perforated, Tube, Fulton Co., Ohio. 5 x 1.

454 Unfinished object of Quartzite, has been used as a rubbing stone, Ky. 3 x 2.

455 Unfinished object, no perforation, Breckenridge Co., Ky. 3½ x 3.

456 Triangular stone, perforation commenced, North Carolina. 3 x 2½.

457 Triangular stone, dark, heavy granite, Ky. 2½ x 2.

458 Needle, of slate, for sewing reindeer skins, surface polished, Massac Co., Ill. 6 x 1.

459 Imperfect Banner Stones and Gorget. Ill., Ky. and Ohio. 3 pcs.

460 Unfinished Banner Stones, different localities. 3 pcs.

461 Unfinished Tube and Banner Stones, various localities. 5 pcs.

462 Stone Strigils or Skin Scratchers, Pa., Ohio and N. C. 3 pcs.

OBJECTS OF SHELL, STONE, ETC.

463 Beads, made from the columella of the conch shell. Mound, Jefferson Co., E. Tenn. 8 pcs.

464 Beads, appear to be vegetable, dug from a western mound; also a cross, doubtless a Catholic amulet. 50 pcs.

465 Perforated marine shell Necklace. 92 pcs.

466 A small Necklace, partly of bone, shell and stone, fine, Georgia. 207 pcs.

467 Stone Beads, one of chalcedony, fine lot. 9 pcs.

468 Beads, of stone, glass and shell, Georgia. 77 pcs.

469 Agate Bead, beautifully marked and polished, N. Carolina. ¾ x ½.

470 Beads, of shell, a fine lot. 19 pcs.

471 Another lot of shell beads. 75 pcs.

472 Stone Beads, each ¾ in. dia., both fine and rare, N. Carolina. 2 pcs.

473 Small Pendants, Gorgets, Banner Stones, Mammals, various localities, mostly marked. 25 pcs.

474 Shell Bracelet, from the Solomon Islands. 4 in. dia.

475 Portion of a beaver's tooth and fragment of bone implement, mound, Madison Co., N. Y. Each 1¾ in. long. 2 pcs.

476 Portion of a deer horn, Breck Co., Ky. 2 in. long.

477 Needles, (2), of reindeer horn, Jefferson Co., N. Y. Each 5 in. long. Also bone Celt from Lake Bienne, Switzerland. 2 x ½. 3 pcs.

478 Needles, etc., of bone, for sewing reindeer skins. 3 pcs.

479 Octagonal Stone Pendant, a pretty stone, nicely carved. Cherokee Co., N. C. 1¼ x 1¼.

480 Canoe, with man seated in it, carved from bone by the native Alaskans. 2 in. long.

481 Fragments of bone, showing part of the jaw with teeth, Montgomery Co., Ark.: also univalve shells from the Atlantic coast. 16 pcs.

482 Fragments of Mound Pottery from Florida, two marked with deeply incised lines. 3 pcs.

483 Fragments of Mound Pottery from Penn. and Tenn. 9 pcs.

484 Prehistoric relics found at Mound City, consisting of pottery and a number of human bones; amongst them is easily recognized the humeris, etc. 14 pcs.

485 Pieces of cement or clay pavement and fragments of pottery, from Ontario, Can., Florida and N.C. 20 pcs.

486 Discs of Pottery and Slate, mostly perforated, from Ohio, Tenn. and Ala. 12 pcs.

487 Fossil Shark's Teeth, one very large. 4 pcs.

488 Bi-concave Discoidals of small size, fine, from 1 in. to 1½ in. dia., various localities. 5 pcs.

489 Large and small Spear Heads and Arrow Points, some Fish Spears. 24 pcs.

490 Knife of black stone, polished, Munroe Co., Pa. 7 x 1¼.

491 Another Knife or Celt of chert, polished, fine, Massac Co., Ill. 7 x 1½.

492 A wrought object of quartzite, in shape resembling the hoof of a young colt: shows the frog very plainly.

493 Rubbing Stone of slate, from N. Carolina. 2 x 1.

494 Box Tortoise. Of all the objects of prehistoric work I have seen, this object surpasses all that I have met with, and is believed to be the finest specimen extant: I do not believe its rival exists. 4 x 3 x 2.

495 Perforated Disc and Skimmer of shell, also objects of steatite and pottery, one in shape an arm, various localities. 5 pcs.

496 Perforated Boss or Disc, found on the site of the old fort in Pulaski Co., Ill. 4½ in. dia.

497 Pot Smoother: an implement believed to have been used in the fabrication of mound pottery, Danville, Tenn. 2 x 1.

498 Object of shell, made from univalve shell, from the Atlantic coast, a skimmer or ladle, polished, with two small perforations, fine, Solomon Islands. 6 x 7.

499 Wrought object of slate, top corrugated, Cooper Co., Mo. 4 x 2½.

500 Shell Scoop or Ladle, from a shell heap, S. W. Florida. 5½ x 2½.

501 Conical flaking Hammer, of quartzite, Macon Co., N. C. 3½ x 3.

502 Large Maul or Hammer, used in prehistoric copper mining at Lake Superior, Isle Royale, L. S. 7 x 6½.

503 Shallow vessel of potstone; a mortar. 9 x 6½.

504 Stone Mortar, shallow depression, Black Hawk, Mo. 7½ x 6.

HAMMER STONES, AXES AND CELTS.

505 Hammer Stone, has four depressions, coarse sandstone, very rare form, Washington Co., Ark. 4½ x 2½.

506 Hammer Stone, with groove all around, fine. 3 x 2.

507 Flaking Hammer, shows evident signs of much use, Southwestern N. C. 6 x 4½.

508 Hammer Stones of granite and quartzite, from Ohio. 3 pcs.

509 Hammer Stones, from Ohio, etc. 4 pcs.

510 Grooved Axes, Jackson Co., Mo. 6½ x 3. 2 pcs.

511 Grooved Axes, Floyd Co., Ind. 2 pcs.

512 Celts of granite, one partly polished, Indiana. 2 pcs.

513 Celts of granite, Indiana, each 5 x 3. 2 pcs.

514 Celts of granite, both partly polished, fine, Ind. 2 pcs.

515 Celts of slate and granite, all partly polished, Indiana. 3 pcs.

516 Celts of granite, one somewhat chipped, Ind. 3 pcs.

517 Partly finished object of iron ore, Shelby Co., Ohio. 3 x 3.

518 Pendant, of beautifully veined stone, in shape a perfect heart. 1½ x 1.

519 Sharp chipped Knives of chert, elliptical, from Illinois and Indiana. 3 pcs.

520 Disc-shaped Knives, of chipped chert, Indiana. 3 pcs.

CELTS, AXES, GORGETS, ETC.

521 Celt, of flint, flats polished, Denmark. 5 x 1½.

522 Rough Celt, of flint, chipped all over by the process called carving, Scandinavia. 8¾ x 3½.

523 Celt, of flint, flats polished, fine, Scandinavia. 6 x 2.

524 Thick Celt, of flint, nicely polished, a fine implement, Scandinavia. 6 x 2.

525 Thick Celt, of flint, as fine as the last, same locality. 5½ x 1¾.

526 Celt, of flint, flats polished, edges chipped, Denmark. 5 x 2.

527 Light yellow flint Celt, nicely polished, Denmark. 4x2.

528 Celt of light flint, flats polished, Denmark. 5½ x 2.

529 Flint Celt, from Denmark, partly polished. 5½ x 2½.

530 Grooved Axe, polished all over, fine and a rare form, Wisconsin. 7 x 5.

531 Grooved Axe, blade broken, Ky. 9 x 5.

532 Sandstone Celt, fine, Conn. 6 x 3.

533 Slate Celt, polished, Ohio. 4½ x 2½.

534 Thick Celt of chert, one side flat. 4½ x 2½.

535 Slate Celt, polished. 5 x 2.

536 Oval Celt of slate, polished, Cherokee Co., Ga. 5 x 2.

537 Handsome Celt of Syenite, head slightly chipped, polished all over. 7 x 3½.

538 Sandstone Celt, one side chipped, High Tower River, Ga. 7 x 2¾.

539 Celt, of black stone, Lough Neagh, Ireland: *rare*. 5½x3.

540 Celt, of granite, flats polished, Wis. 4½ x 2.

541 Celt, of diorite, nearly black, polished. 4 x 2½.

542 Celt, with cutting edge, Duck Lake, Wis. 4½ x 2.

543 Celt, of slate, polished, New Richmond, O. 4 x 2½.

544 Celt, of light-colored stone, Mich. 4 x 2½.

545 Celt, of slate, Duck Lake, Mich. 4½ x 2.

546 Celt, of diorite, small, but handsome. 3 x 1¾.

547 Celt, of slate, partly polished, Mich. 4¾ x 1¾.

548 Celt, of slate, partly polished, Mich. 4½ x 2.

549 Granite Celt, flats polished, Duck Lake, Mich. 5½ x 3.

550 Small Celts, of granite and slate, all fine. 3 pcs.

551 Celts, of slate, mostly polished, one has the butt broken off. 3 pcs.

552 Celts, of chert, slate, etc., from Mich. and Ky. 5 pcs.

553 Great Spade, supposed to have been used in mound building. A patination covers a portion of this object; has been broken, but neatly mended, Illinois, 12½ x 5.

554 Discoidal, bi-concave and of unusual thickness, mica slate, Ohio. 5 in. dia., 3 in. thick.

555 Long Pestle, from the valley of the Connecticut. Length 12½ in., dia. 3 in.

556 Large mushroom-top, hollow-headed Pestle, Ohio. 7 x 4.

557 Mushroom-shaped Pestles, from Ohio and Ky., each 5½ x 3. 3 pcs.

558 Square Banner Stone, imperforated, finely polished. 2½ x 2.

559 Banner Stone, of catlinite, imperforate. A fine object, Cherokee Co., Ga. 4 x 1¼.

560 Imperforated Pendant, of jasper, one end unfortunately chipped. 3¾ x 2.

561 Pendant, one large perforation, ribbon slate, Albion, Mich. 3½ x 2.

562 Coffin-shaped Pendant, of slate, without perforations, Albion, Mich. 5 x 1¾.

563 Semi-cylindrical Tube, perforation commenced at one end. 5x 2½.

564 Flint Cores, from the great caverns of France. 4 pcs.

565 Flint Core and Knives from the same locality. The knives are especially fine. 27 pcs.

566 Paleolithic Knives from the great caverns of France, fine and *very fine*. 2 to 8 in. in length. 10 pcs.

HAMMER STONES OR MAULS.

Many of these objects were brought from Lake Superior, in the mines of which they were formerly used in mining copper. They vary in dimensions, running from the size of a child's head to that of an orange.

567 Maul or Mallet, grooved, of granite, Mich. 6 x 5.

568 Maul, of same material and locality. 8 x 6.

569 Maul, smaller than the last, Mich. 6 x 4.

570 Another large granite Maul, Dawson, Dakota. 7½ x 6.

571 Maul, in form somewhat conical, Mich. 7 x 6.
572 Triangular Maul, of granite, Mich. 7 x 5.
573 Grooved Maul, of granite, oval, fine, Dakota. 6 x 5.
574 Grooved Maul, Aztec Mine, L. S. 6 x 4.
575 Grooved Maul, same locality. 6 x 5.
576 Grooved Maul, Lake Superior. $5\frac{1}{2}$ x 4.
577 Small grooved Maul, same locality. 5 x 4.
578 Another, circular-shaped, Mich. $4\frac{1}{2}$ x $3\frac{3}{4}$.
579 Grooved Maul, axe-shaped, Mich. 5 x $3\frac{1}{2}$.
580 Hammer Stone, oval. 4 x 3.
581 Grooved Hammer Stone, Ohio. 4 x 3.
582 Grooved Maul or Mallet, finely made, Wis. 4 x $2\frac{1}{2}$.

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